Index of Claims

09/848,501

Examiner

Jamie Vent

Date

Applicant(s)/Patent under Reexamination

SUGAYA ET AL.

Art Unit

2621

| √  | Rejected |
|----|----------|
| II | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

Claim

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla       | aim                             | Date   |  |          |          |          |          |              |          |          |
|-----------|---------------------------------|--|--|----------|----------|----------|----------|--------------|----------|----------|
|           |                                 |  |  |          |          |          |          |              |          |          |
| Final     | Original                        |  |  |          |          |          |          |              |          |          |
|           | ō                               |  |  |          |          |          |          |              |          |          |
| 1         | 1                               | 11   |  |          |          |          |          |              |          |          |
|           | 1<br>2<br>3<br>4<br>5<br>6<br>7 |  |  |          |          |          |          |              |          |          |
|           | 3                               |  |  |          |          | _        |          |              |          | Щ        |
|           | 4                               |  |  |          |          |          | Ь.,      |              | _        | Ш        |
|           | 5                               |  |  |          | _        | <u> </u> |          |              |          | Н        |
|           | 7                               | $\vdash$   |  | -        |          |          |          |              |          | Н        |
|           | -/-                             |  |  | -        | -        | $\vdash$ |          | -            |          | Н        |
|           | 9                               | _  |  |          |          | $\vdash$ |          |              |          | -        |
|           | 10                              | -  |  |          |          | $\vdash$ |          |              | _        | Н        |
|           | 11                              |  |  |          |          | _        |          |              |          | Н        |
|           | 11<br>12                        |  |  |          |          |          |          |              |          |          |
|           | 13<br>14<br>15                  |  |  |          |          |          |          |              |          |          |
|           | 14                              |  |  |          |          |          |          |              |          |          |
| <u> </u>  | 15                              | L  |  | L        |          | Ц.       |          |              |          | Ш        |
|           | 16<br>17<br>18<br>19            |  |  |          |          |          |          |              |          |          |
|           | 17                              |  | _  |          |          | _        | _        |              | _        | Ш        |
|           | 18                              |  |  |          |          |          |          |              |          | Н        |
|           | 20                              | _  |  | _        | _        | -        |          |              |          | Н        |
|           | 21                              | _  | -  |          | _        |          |          |              |          | Н        |
|           | 22                              |  |  | _        |          |          |          |              | -        | Н        |
|           | 21<br>22<br>23                  | -  |  |          |          |          |          |              |          | Н        |
|           | 24<br>25                        |  |  |          |          |          |          |              |          |          |
|           | 25                              |  |  |          |          |          |          |              |          |          |
|           | 26<br>27                        |  |  |          |          |          |          |              |          |          |
|           | 27                              |  | <u> </u>   |          |          |          |          |              | _        |          |
|           | 28                              |  |  |          |          |          |          |              |          | Ш        |
|           | 29<br>30                        |  | _  |          |          | _        |          |              |          | Н        |
|           | 31                              |  | _  |          | _        |          | $\vdash$ |              |          | Н        |
| -         | 32                              | $\vdash$   | -  | -        | $\vdash$ |          | -        |              |          | Н        |
|           | 32<br>33                        | H  | —  | $\vdash$ | -        | -        |          | H            |          | Н        |
| <b></b> - | 34                              | H  | -  | Т        | $\vdash$ | $\vdash$ | $\vdash$ | H            |          | Н        |
|           | 35                              |  |  |          | Η-       |          |          | П            | $\vdash$ | Н        |
|           | 36                              |  |  |          |          |          |          |              |          |          |
|           | 37                              |  |  |          |          |          |          |              |          |          |
|           | 38                              | Ŀ  |  |          |          |          |          |              |          | Ш        |
| L         | 39                              | $oxedsymbol{oxed}$                               |  |          |          | L        | Щ        | $oxed{\Box}$ |          | Ш        |
| <u> </u>  | 40                              | <u> </u>   | <u> </u>   | <u> </u> | _        | <u> </u> | <u> </u> | <u> </u>     | _        | Щ        |
| <u> </u>  | 41                              | $\vdash$   | <u> </u>   | <u> </u> | _        | <u> </u> | <u> </u> | $\vdash$     | <u> </u> | Н        |
| -         | 42<br>43                        | $\vdash$   | <u> </u>   | $\vdash$ | _        | $\vdash$ | $\vdash$ | -            | <u> </u> |          |
|           | 44                              | -  | $\vdash$   | H        | _        | $\vdash$ | H        | -            | -        | Н        |
|           | 45                              | <del>                                     </del> | -  | $\vdash$ | $\vdash$ | $\vdash$ | H        | H            |          | Н        |
|           | 46                              | <del>                                     </del> | $\vdash$   |          |          | $\vdash$ | $\vdash$ | $\vdash$     | -        | $\vdash$ |
|           | 47                              | T  | <del>                                     </del> | Г        | Т        | t        | $\vdash$ | Г            | $\vdash$ | Н        |
|           | 48                              |  |  |          |          | Г        | <u> </u> |              |          | П        |
|           | 49                              |  |  |          |          |          |          |              |          |          |
|           | 50                              | Γ  |  | I        | _        | Г        |          | Г            |          | П        |

| $\neg$   |              | _        |          | _        |          |          |          |          |          |              | 1 1 |       |          |          |          |          |                | _            |              |          | _            | $\overline{}$ |
|----------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|--------------|-----|-------|----------|----------|----------|----------|----------------|--------------|--------------|----------|--------------|---------------|
|          | Original     |          |          |          |          |          |          |          |          |              |     | Final | Original |          |          |          |                |              |              |          |              |               |
| +        | 1            | 1        |          | $\vdash$ |          | $\vdash$ |          | _        | -        |              |     |       | 51       |          |          |          | _              |              | _            |          | $\vdash$     | $\dashv$      |
| +        | <del>-</del> | _        | _        | $\vdash$ |          | $\vdash$ | _        |          |          | $\vdash$     |     |       | 52       |          |          |          |                | -            | ┢            | -        | -            | $\dashv$      |
| +        | 3            |          |          | $\vdash$ | -        | $\vdash$ | _        | -        | _        | ┢            |     |       | 53       | _        |          | _        | _              | $\vdash$     |              | -        | -            | -             |
| ┪        | 4            |          |          | -        | -        | $\vdash$ |          |          | _        | $\vdash$     |     |       | 54       |          |          | _        |                |              |              |          | Н            |               |
| +        |              |          |          | H        |          | $\vdash$ |          | -        |          | -            |     |       | 55       |          |          |          |                | -            | _            | _        | _            |               |
| ┪        | 5<br>6       |          | _        |          |          | ┝        |          |          | -        | ┝            |     |       | 56       |          |          | _        |                | -            | _            |          | $\vdash$     | $\dashv$      |
| ┪        | 7            |          | _        | -        | -        | $\vdash$ |          |          |          | $\vdash$     |     | -     | 57       |          |          | _        |                | -            | _            |          | Н            | $\dashv$      |
| +        | 8            |          | _        | -        |          | $\vdash$ |          | -        |          | ⊢            |     |       | 58       |          |          |          | _              | $\vdash$     | _            |          | -            | $\dashv$      |
| +        | 9            | _        |          |          |          | $\vdash$ |          |          |          | -            |     |       | 59       |          |          |          |                | $\vdash$     |              |          | -            | $\dashv$      |
| +        | 10           | -        |          | -        |          | $\vdash$ |          |          | -        | ⊢            |     |       | 60       |          |          |          |                | $\vdash$     |              | -        | $\vdash$     | $\dashv$      |
| ┪        | 11           |          | _        |          |          | _        |          |          | -        | $\vdash$     |     |       | 61       |          |          |          |                | <del> </del> | _            |          |              | -             |
| ┪        | 12           |          | _        |          |          |          |          | _        | -        | -            |     |       | 62       |          |          |          | -              |              | _            | -        | -            |               |
| ┪        | 13           |          | -        |          |          | -        |          |          | -        | _            |     |       | 63       | _        |          | _        |                |              | -            | -        | $\vdash$     |               |
| 1        | 14           |          |          |          |          |          |          |          | -        | -            |     |       | 64       |          |          | _        | _              | $\vdash$     | _            |          | Н            |               |
| +        | 15           |          | _        |          | _        | -        |          | _        | $\vdash$ | <del> </del> |     |       | 65       | $\vdash$ |          | _        | _              | $\vdash$     | $\vdash$     | -        |              | $\dashv$      |
| +        | 16           |          |          | -        |          | <u> </u> |          |          |          | _            |     |       | 66       |          |          | _        |                | -            | -            |          | $\vdash$     | _             |
| +        | 17           |          |          |          | _        |          |          |          |          | -            |     |       | 67       |          |          | _        |                |              | $\vdash$     |          |              | $\dashv$      |
| +        | 18           |          | -        |          |          |          |          |          |          | <del> </del> |     |       | 68       | _        |          | _        | _              | $\vdash$     | _            |          |              |               |
| +        | 10           | H        | -        |          |          | -        |          |          | _        | ⊢            |     |       |          |          |          |          |                |              | -            |          |              | $\dashv$      |
| +        | 19<br>20     | _        |          | _        | _        |          |          |          |          | <u> </u>     |     |       | 69<br>70 |          |          | _        | Н              | H            | -            |          |              | $\dashv$      |
| +        | 21           | _        | _        | _        |          |          |          |          |          | <u> </u>     |     | - :   | 71       | _        |          |          |                | _            | ⊢            | <u> </u> |              | $\dashv$      |
| +        | 21           |          |          | _        | _        |          |          |          | -        | ⊢            |     |       |          | $\vdash$ |          |          |                | -            | -            | _        | _            |               |
| ┩        | 22           |          | _        |          | _        |          |          |          |          | H            |     |       | 72       | -        | _        | _        |                |              | -            | <u> </u> |              | $\dashv$      |
| 4        | 23           | _        |          | -        |          |          |          |          |          | _            |     | -     | 73       |          |          |          | _              | _            | <del> </del> | <u> </u> |              | $\dashv$      |
| +        | 24           | -        |          | -        | _        |          |          |          |          | <u> </u>     | ŀ   |       | 74       | _        |          | -        |                | -            |              | -        | _            | $\dashv$      |
| $\dashv$ | 25           |          |          |          | _        | -        |          |          | _        | _            |     |       | 75       |          |          |          | _              |              | _            | $\vdash$ |              |               |
| +        | 26           |          | -        |          |          | -        |          |          | _        |              |     |       | 76       |          |          |          |                | <u> </u>     | <u> </u>     | <u> </u> |              | $\dashv$      |
| 4        | 27           | $\vdash$ | _        |          |          |          |          | _        | _        | -            | 1   |       | 77       |          |          | <u> </u> |                | <u> </u>     | ├            | <u> </u> |              |               |
| -        | 28           |          | _        |          |          |          |          |          |          | _            |     | · ·   | 78       |          |          |          |                | ├            | <del> </del> |          |              | -             |
| -        | 29           | _        | _        |          |          |          |          |          |          | <u> </u>     |     | · ·   | 79       |          |          | _        |                | ┝            | <u> </u>     | _        |              | $\dashv$      |
| -        | 30           | H        | _        |          |          |          |          |          | _        |              | '   | •     | 80       | _        |          |          |                | ⊢            | <u> </u>     |          |              |               |
| 4        | 31           | <u> </u> | _        | _        | $\vdash$ |          |          |          |          | _            | 1   | •     | 81       |          | _        | _        |                | _            | <u> </u>     | <u> </u> |              |               |
| 4        | 32           | _        | _        | _        |          |          |          |          |          | -            |     |       | 82       |          |          | ļ.,      |                | <u> </u>     | ļ            | ļ        |              |               |
| 4        | 33           | _        |          | _        | _        | _        | -        |          |          | _            |     |       | 83       |          |          |          |                | _            | _            |          |              |               |
| 4        | 34           | <u> </u> |          |          |          | _        |          | _        | _        | <u> </u>     |     | ·     | 84       |          |          |          |                | _            | <u> </u>     | _        |              | _             |
| 4        | 35           |          | _        |          | _        | _        | _        | _        | _        | <u> </u>     |     | · ·   | 85       |          | _        |          |                |              | $\vdash$     |          |              | $\dashv$      |
| 4        | 36           | _        | _        | _        |          |          |          | _        | _        | _            |     | ·     | 86       |          | _        | _        |                |              | <u> </u>     |          |              |               |
| 4        | 37           | <u> </u> |          | $\vdash$ | _        | <u> </u> |          |          | _        | _            |     |       | 87       |          | _        |          | ļ              | _            | _            |          | $\vdash$     | _             |
| 4        | 38           | Ŀ        | _        | _        | _        | Ш        | _        |          |          |              |     | •     | 88       |          | _        |          | ┡              | _            | L            |          | _            |               |
| _        | 39           | <u> </u> |          | L        |          | -        | _        | _        | _        | _            | Į į | · ·   | 89       |          |          |          | <u> </u>       | -            |              |          |              |               |
| 4        | 40           | <u> </u> | <u> </u> | <u> </u> | _        | <u> </u> | _        |          |          | <u> </u>     |     | · ·   | 90       |          |          |          | _              |              |              | <u> </u> | _            |               |
| _        | 41           | L        | <u> </u> | _        |          | ļ        |          |          |          | <u> </u>     |     | •     | 91       | ldash    | _        |          | _              | <u> </u>     | <u> </u>     | <u> </u> | <u> </u>     |               |
| 4        | 42           |          | <u> </u> |          |          | <u> </u> |          | _        | _        | <u> </u>     |     |       | 92       | <u> </u> |          | <u> </u> |                | _            |              | <u> </u> | <u> </u>     |               |
| 4        | 43           | <b> </b> | _        | <u> </u> | <u> </u> | <u> </u> | $\vdash$ | <u> </u> | ļ        | <u> </u>     |     | :     | 93       | <u> </u> |          | <u> </u> | _              | <u> </u>     | <u> </u>     | _        | $oxed{oxed}$ | Щ             |
| _        | 44           | <u> </u> | <u> </u> | $\vdash$ | <u> </u> | <u> </u> | <u> </u> |          | L        | <u> </u>     |     |       | 94       | <u> </u> |          | <u> </u> | <u> </u>       | <u> </u>     | _            | _        | <u> </u>     | Щ             |
| 4        | 45           | _        | <u> </u> | _        | <u> </u> | <u> </u>     |     |       | 95       | $\vdash$ |          |          | <u> </u>       | _            | <u> </u>     |          | <u> </u>     | Ш             |
| 4        | 46           | ⊢        | <u> </u> | ⊢        | <u> </u> | <u> </u> |          | <u> </u> | <u> </u> | <u> </u>     |     | · ·   | 96       | <u> </u> | <u> </u> | <u> </u> | <u> </u>       | <u> </u>     | <b> </b> _   | <u> </u> | <u> </u>     | Ш             |
| 4        | 47           | ⊢        | ⊢-       | <u> </u> | <u> </u> | ⊢        | <u> </u> | <u> </u> | <u> </u> | ⊢            |     | · ·   | 97       | <u> </u> |          | _        | <u> </u>       | —            |              |          | <u> </u>     | Ш             |
| 4        | 48           | ⊢        | <u> </u> | $\vdash$ | _        | Ь.       | <u> </u> | <u> </u> | <u> </u> | <del> </del> |     |       | 98       |          | L        | ļ        | <del> </del> _ | $\vdash$     | <u> </u>     | _        | _            | Ш             |
| 4        | 49           | $\vdash$ | <u> </u> | <u> </u> | _        | <u> </u> | <u> </u> | <u> </u> | <u> </u> | ⊢            |     |       | 99       | L        |          | <u> </u> | <u> </u>       | <u> </u>     | <u> </u>     | <u> </u> | _            | Щ             |
| _        | 50           | L        | L        |          | <u> </u> | L        | L        | L        | L        | <u> </u>     | J   |       | 100      | L        | L        |          | L              | L            |              |          | L            | Ш             |

| Cli      | aim  | Date   |  |  |          |  |  |                  |          |                 |
|----------|--|--|--|--|----------|--|--|------------------|----------|-----------------|
|          |  |  |  |  |          |  |  |                  |          | $\sqcap$        |
| <u> </u> | Original   |  |  |  |          |  |  |                  |          |                 |
| Final    | rig  |  |  |  |          |  |  |                  |          |                 |
| _        | 0  |  |  |  |          |  |  |                  |          |                 |
|          | 101  |  |  |  |          | -  |  |                  |          | $\dashv$        |
|          | 101<br>102   |  | _  | $\vdash$   |          | $\vdash$   |  | _                | $\vdash$ | $\dashv$        |
|          | 103  | _  | _  |  |          |  | -  | _                |          | $\dashv$        |
|          | 104  | Н  |  |  |          |  |  | _                | _        | $\dashv$        |
|          | 105  |  | _  | _  |          |  |  |                  | -        | $\dashv$        |
|          | 104<br>105<br>106                                    |  |  |  |          |  |  |                  | -        | -               |
|          | 107  |  |  |  |          |  |  | _                |          | -               |
|          | 108<br>109<br>110                                    |  | -  | -  |          |  |  |                  |          | $\sqcap$        |
|          | 109  |  |  |  |          |  |  |                  |          | H               |
|          | 110  |  |  |  |          |  | _  |                  |          | H               |
|          | 111  |  |  |  |          |  |  |                  |          | П               |
|          | 112  | Г  | _  |  | _        | <u> </u>   | -  |                  |          | Н               |
|          | 113  | Г  |  |  | _        |  |  |                  |          | Н               |
|          | 114  |  |  |  |          |  |  |                  | _        | $\vdash$        |
|          | 115  | Н  |  | $\vdash$   |          | -  |  |                  | $\vdash$ | -               |
|          | 112<br>113<br>114<br>115<br>116<br>117<br>118<br>119 |  | Н  |  |          |  | Н  | $\vdash$         | _        | $\vdash$        |
|          | 117  |  |  |  |          |  |  |                  | _        |                 |
|          | 118  | $\vdash$   | Н  | $\vdash$   |          | Н  |  |                  | _        |                 |
|          | 119  | $\vdash$   |  | $\vdash$   | _        |  |  |                  |          |                 |
|          | 120<br>121<br>122                                    |  |  |  |          |  | _  |                  |          | $\vdash$        |
|          | 121  | $\vdash$   | _  |  | _        | _  | -  |                  |          |                 |
|          | 122  |  |  |  |          | -  | -  | $\vdash$         |          |                 |
|          | 123  | $\vdash$   | _  | _  |          |  | -  |                  |          |                 |
|          | 123<br>124<br>125<br>126<br>127<br>128<br>129<br>130 |  |  | _  |          | -  |  | _                | _        | $\vdash$        |
| -        | 125  | $\vdash$   |  |  |          |  |  |                  | _        | _               |
|          | 126  | _  | _  | $\vdash$   |          |  |  |                  |          |                 |
| -        | 127  | _  |  |  |          |  |  |                  |          |                 |
|          | 128  | $\vdash$   | _  | _  |          |  |  |                  |          |                 |
|          | 129  |  |  |  | -        |  |  |                  |          |                 |
|          | 130  |  |  |  |          |  |  |                  |          |                 |
|          | 131  | $\vdash$   |  |  |          |  |  | _                | _        | Н               |
|          | 131<br>132<br>133                                    | $\vdash$   | Ι  | <u> </u>   |          |  |  | П                |          | $\vdash$        |
|          | 133  | Ι  | $\vdash$   | <u> </u>   |          |  |  |                  | П        | $\vdash$        |
|          | 134  | $\vdash$   | Н  |  |          | $\vdash$   | Н  | _                | Η        | $\vdash \vdash$ |
|          | 134<br>135   | $\vdash$   | $\vdash$   | $\vdash$   | Ι        | $\vdash$   |  | Н                | М        | $\vdash \vdash$ |
|          | 136  |  | $\vdash$   | $\vdash$   | Н        | $\vdash$   |  | П                | П        | $\vdash \vdash$ |
|          | 136<br>137   | _  |  | $\vdash$   |          | $\vdash$   | _  |                  |          | $\vdash$        |
|          | 138  |  |  |  |          |  |  | т                | П        | $\vdash \vdash$ |
|          | 139  | $\vdash$   |  | $\vdash$   |          | Т  |  |                  | $\vdash$ | $\vdash$        |
|          | 139<br>140   | ┢  | <u> </u>   | $\vdash$   | $\vdash$ | _  |  |                  | $\vdash$ | $\vdash$        |
|          | 141  |  |  |  |          | <u> </u>   | h  | $\vdash$         | _        | $\Box$          |
|          | 142  | Ι-   |  | $\vdash$   | $\vdash$ |  | <del>                                     </del> | $\vdash$         |          | $\vdash$        |
|          | 143  | $\vdash$   | Ι  | <del>                                     </del> |          | _  | Г  | $\vdash$         | <u> </u> | $\Box$          |
|          | 144  | <del>                                     </del> | <del>                                     </del> | $\vdash$   |          | $\vdash$   | <del>                                     </del> |                  | $\vdash$ | Н               |
|          | 145  | _  | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$   | <del> </del>                                     | $\vdash$         | $\vdash$ | $\vdash$        |
|          | 146  | <del>                                     </del> | $\vdash$   | <del>                                     </del> | $\vdash$ |  | $\vdash$   | $\vdash$         | $\vdash$ | H               |
|          | 147  | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$ | <del>                                     </del> | ┈  | <del> </del>     | -        | H               |
|          | 148  | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$ | <del>                                     </del> |  |                  |          | H               |
|          | 149  | <del>  -</del>                                   | $\vdash$   | $\vdash$   | $\vdash$ | <del>                                     </del> | <del>                                     </del> | <del> </del>     | $\vdash$ | Н               |
|          | 150  | ┢  | <del>                                     </del> | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$   | <del>  -  </del> | $\vdash$ | Н               |
|          | 130  | Ц_   | L  | <u> </u>   | <u> </u> | <u> </u>   | <u> </u>   | <u> </u>         | 1        | ш               |